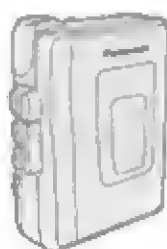


Panasonic

Mini Cassette Recorder RQ-L309 Operating Instructions



Before connecting, operating or adjusting this product, please read these instructions completely. Please save this manual.

P

Care and Use

- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long period of time with the doors and windows closed, as this may deform the cabinet.
- If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage.
- Do not bring magnetized commutator passes, credit cards, recorded tapes, etc. close to the monitor speaker.

Record prevention

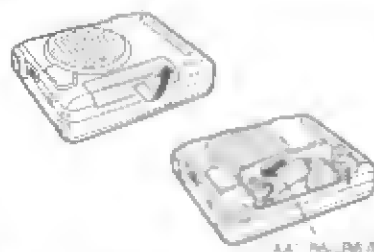
Removing the tab(s) of the cassette (with a small screwdriver) will prevent accidental erasure. To record again, cover the hole of the tab with adhesive tape.

Side A

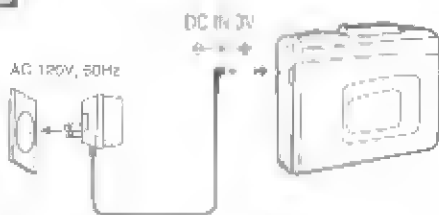


Power Source

A



B



User memo

DATE OF PURCHASE _____
DEALER NAME _____
DEALER ADDRESS _____
TELEPHONE NUMBER _____

Matsushita Consumer Electronics Company, Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus, New Jersey 07094

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc. ("PSC")
Ave. 68 de Independencia, Km. 9.5 San Gabriel Industrial Park
Carolina, Puerto Rico 00985

HQ1101/3-P
F01JMD

Cassette tapes

Cassette tapes of 100 minutes or longer

These tapes are handy for their long playback and recording time but be careful about repeatedly stopping and starting, rewinding and fast forwarding these tapes in short intervals as they are thin and tend to stretch and may become entangled in the deck mechanism.

Endless tapes

Failure to operate these tapes correctly may cause the tape to wind around the revolving parts.

Improper tape storage

You can damage tape if you store it in the following ways:

- In high temperature or high humidity areas
- In a strong magnetic field (near a speaker, on top of a TV, etc.)
- In direct sunlight

Dry cell batteries A

Insert two "AA" size (R6/LR6, or equivalent, not included) batteries.

Batteries installed with incorrect polarity may leak and damage this unit.

Replace with fresh batteries of the same kind, observing polarity.

When connecting the AC adaptor (optional), the batteries don't work as power source.

Battery removal

Press the button toward the battery terminal and lift up.

Battery life

When the batteries are weak, the tape speed will slow down, the sound will become distorted, and the volume will decrease.

AC power operation B

Use the Panasonic AC adaptor CA-L001.

Panasonic Limited Warranty

Matsushita Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "The warrantor") will repair this product with new or refurbished parts, free of charge, in the U.S.A. or Puerto Rico from the date of original purchase in the event of a defect in materials or workmanship as follows:

For one (1) year—Radio, Clock Radio, Radio with Tape Player or Recorder

For ten (10) days—Batteries—(when applicable)—New rechargeable batteries in exchange for defective rechargeable batteries. Non-rechargeable batteries are not warranted.

For assistance in the U.S.A. in obtaining repairs contact:

Matsushita Services Company
Panasonic PLUS Department
20421 84th Avenue South
Kent, WA 98032
Phone: 1-800-833-9626
FAX: 1-800-237-9080

If repair is needed, during the warranty period the purchaser will be required to furnish a sales receipt/proof of purchase indicating date of purchase.

Also, the purchaser will be responsible for shipping the unit to the above address. This warranty is extended only to the original purchaser.

For assistance in Puerto Rico contact, Panasonic Sales Company at the address or telephone number above.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use and does not cover damage which occurs in shipment or failures which are caused by products not supplied by the warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustment, improper maintenance, alteration, improper antenna, inadequate signal pick-up, misadjustment of consumer controls, modification, line power surge, or commercial use of the product, or damage that is attributable to acts of God, or service by anyone other than an MSC Factory Servicenter.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above. THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Panasonic PLUS Department. If the problem is not handled to your satisfaction, then write to the Customer Satisfaction Center at the company address above or call 201-348-9090.

Listening caution



Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.

If you experience a ringing in your ears, reduce volume or discontinue use.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.

You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

Even if your headphones or earphones is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

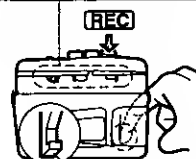
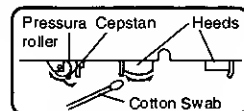
- Set the dial and leave it there.

Maintenance

To ensure good sound quality for tape operation, be sure to clean the head after approximately every 10 hours of use.

1. Open the cassette compartment cover.
2. While pushing erase prevention lever downward, press **REC**.
3. Clean the heads, pressure roller and the capstan with a cotton swab dampened with a little alcohol.

Do not bring metal articles or magnetic material such as a screwdriver, near the head assembly.



Erase prevention lever

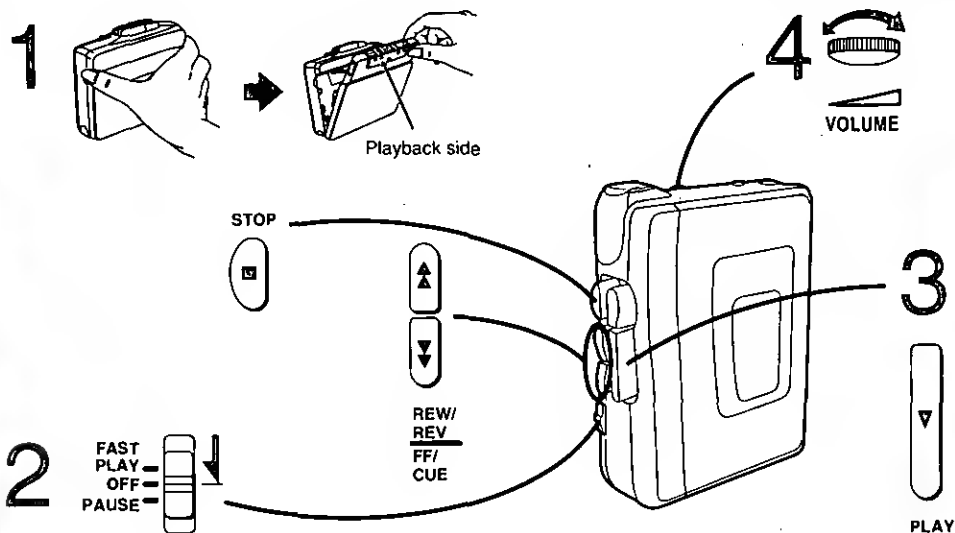
Technical Specifications

Track system	2 track, monaural
Recording system	DC bias, Magnet erase
Monitor system	Fix
Frequency range	180 Hz - 7 kHz (Normal)
Tape speed	4.8 cm/s (1 7/8 ips)
Jack	
Output:	MONITOR; 8Ω
Speaker	4.5 cm (1 3/4")
Power requirement	
Battery:	DC 3 V (two "AA" size, R6/LR6 batteries)
AC:	With optional Panasonic AC adaptor RP-AC31
Dimensions (W×H×D)	88×115.3×34.6 mm (3 7/16"×4 9/16"×1 3/8")
Weight	151 g (5.3 oz.) without batteries

Note:

Specifications are subject to change without notice. Weight and dimensions are approximate.

Playback



To playback the tape

Normal tapes can be used.

Follow steps 1-4 as illustrated above.

■ To stop play

Press ■ STOP.

■ To play faster than usual

Set the FAST PLAY selector to "FAST PLAY" position.

To fast forward and rewind

Press FF/CUE (fast forward) or REW/REV (rewind) in the stop mode.

- When the tape reaches the end, press ■ STOP to release the button and turn off the unit.

■ Cue and review

Sound can be monitored at a high speed for as long as the FF/CUE (cue) or REW/REV (review) is held down during playback.

When the button is released, normal playback will start.

■ Auto Stop

During playback or recording, when the tape reaches its end, the automatic stop system will release the playback and record buttons and automatically turn off the unit.

Type of tape which can be used:

Normal position/TYPE I	○
High position/TYPE II	×
Metal position/TYPE IV	×

This unit will not be able to do full justice to characteristics of high position tapes and metal position tapes even if they are played back.

Troubleshooting Guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

(In U.S.A. consult MSC Authorized Servicenters for detailed instructions or call 1-800-545-2672 for the address of an authorized factory servicenter.)

Problem	Checkpoint	Remedy
No operations.	Have the batteries been installed with their polarities (+, -) reversed?	Install them with their polarities (+, -) aligned properly.
No recording.	Have the tape's accidental erasure prevention tabs been broken out?	Cover the holes with adhesive tape.

One Panasonic Way Secaucus
New Jersey 07094

Ave. de la Industria, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985
Tel. (809) 750-4300
FAX: (809) 768-2910

Panasonic Limited Warranty

Matsushita Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "The warrantor") will repair this product with new or refurbished parts, free of charge, in the U.S.A. or Puerto Rico from the date of original purchase in the event of a defect in materials or workmanship as follows:

For one (1) year—Radio, Clock Radio, Radio with Tape Player or Recorder

For ten (10) days—Batteries—(when applicable)—New rechargeable batteries in exchange for defective rechargeable batteries. Non-rechargeable batteries are not warranted.

For assistance in the U.S.A. in obtaining repairs contact:

Matsushita Services Company
Panasonic PLUS Department
20421 84th Avenue South
Kent, WA 98032
Phone: 1-800-833-9626
FAX: 1-800-237-9080

If repair is needed, during the warranty period the purchaser will be required to furnish a sales receipt/proof of purchase indicating date of purchase.

Also, the purchaser will be responsible for shipping the unit to the above address. This warranty is extended only to the original purchaser.

For assistance in Puerto Rico contact, Panasonic Sales Company at the address or telephone number above.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use and does not cover damage which occurs in shipment or failures which are caused by products not supplied by the warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, set-up adjustment, improper maintenance, alteration, improper antenna, inadequate signal pick-up, maladjustment of consumer controls, modification, line power surge, or commercial use of the product, or damage that is attributable to acts of God, or service by anyone other than an MSC Factory Servicenter.

LIMITS AND EXCLUSIONS

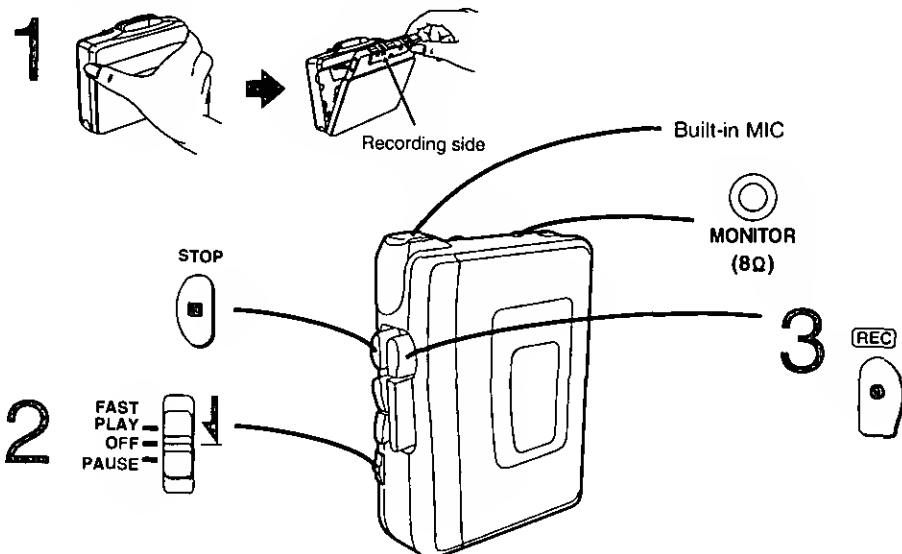
There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Panasonic PLUS Department. If the problem is not handled to your satisfaction, then write to the Customer Satisfaction Center at the company address above or call 201-348-9090.

Recording



To make a recording

Normal tapes can be used.

The sound may not be recorded properly if high position tapes and metal position tapes are used with this unit.

Follow steps 1-3 as illustrated above.

Use a tape with tabs in place.

The recording level is automatically adjusted.

The built-in microphone is omnidirectional, so that recording is available in every direction.

To stop recording

Press **STOP**.

To temporarily stop recording

Set the **PAUSE** selector to "PAUSE" position.

To resume recording, set it to "OFF" position.

Follow up recording

Recording can be started during playback by simply pressing **REC**.

Quick review

To listen to the sound you have recorded, press and hold **REW/REV**.

When the button is released, playback will start.

Monitoring

The sound can be heard with an optional earphone plugged into the **MONITOR** jack. (Plug type: Mono-aural mini)

The volume level of monitor sound cannot adjust using the volume control.